INDEX TO VOLUME 144

AUTHOR INDEX

Achuff, S. C.: *See* Trimakas, A. P., jt. auth.
———: Review of *Cardiac Catheterization and Angiocardiography*, 63
Adler, J.: The behavior of bacteria: On the mechanism of sensory transduction in bacterial chemotaxis, 121
Austrian, R.: Letter to the editor, 134
———: The pneumococcus at Hopkins: Early portents of future developments, 192

Bayless, T. M.; Heuser, R. W.; and Zerhouni, E. A.: Clinical conference, fulminant colitis, 168
Belitsos, N. J.: *See* Maddrey, W. C., jt. auth.
Berkay, S.: *See* Trimakas, A. P., jt. auth.
Berninger, R. W.: *See* Langley, C. E., jt. auth.
Betz, B. J. and Thomas, C. B.: Individual temperament as a predictor of health or premature disease, 81
Boitnott, J. K.: *See* Gerson, B., jt. auth.
Braverman, L. E.: *See* Winzelberg, G. G., jt. auth.
Brinker, J.: Review of *Coronary Heart Disease in Young Women*, 25
Bylebyl, J.: Review of *The Philosophy of Medicine*, 63
Bynum, T. E.: *See* Luk, G. D., jt. auth.

Cameron, J. L.; McPhee, S. J.; and Hamilton, S. R.: Clinical conference, pancreatectomy and autotransplantation for chronic pancreatitis, 215
Chipps, B. E.; Saulsbury, F. T.; Hsu, S. H.; Hughes, W. T.; and Winkelstein, J. A.: Non-candidal infections in children with chronic mucocutaneous candidiasis, 175
Conley, C. L.; Hutchins, G. H.; Mones, R. A.; and Douglas, B. P.: Clinical-pathologic conference, 138

Dixon, S. M.: *See* Zinkham, W. H., jt. auth.
Dobrow, J.: *See* Hendrix, T. R., jt. auth.
Douglas, B. P.: *See* Conley, C. L., jt. auth.

Eggleston, J. C.: *See* Feigin, D. S., jt. auth.

Feigin, D. S.; Eggleston, J. C.; and Siegelman, S. S.: The multiple roentgen manifestations of sclerosing mediastinitis, 1

Gardner, T. J.: *See* Trimakas, A. P., jt. auth.
Gerson, B.; Menduke, H.; Boitnott, J. K.; Maddrey, W. C.; Ireland, J. E.; and Rock, R. C.: Lipoprotein X and alkaline phosphatase as indicators of cholestasis, 41
Goldberg, R.; Szklo, M.; Tonascia, J. A.; and Kennedy, H. L.: Time trends in prognosis of patients with myocardial infarction: A population-based study, 73
Gore, J.: *See* Winzelberg, G. G., jt. auth.

Hamilton, S. R.: *See* Maddrey, W. C., jt. auth.
———: *See* Cameron, J. L., jt. auth.
Harrison, H. E.: Vitamin D, the parathyroid and the kidney, 180
Harvey, A. McG.: Applying the methods of science to the study of tropical diseases—The story of Andrew Watson Sellards, 45
———: Albion Walter Hewlett: Pioneer clinical physiologist, 202
Hendrix, T. R.; McCartney, J.; and Dobrow, J.: Clinical conference, Boerhaave syndrome, 28
Heuser, R. W.: *See* Bayless, T. M., jt. auth.
Hsu, S. H.: *See* Chipps, B. T., jt. auth.
Hughes, W. T.: *See* Chipps, B. E., jt. auth.
Hutchins, G. M.: *See* Conley, C. L., jt. auth.
Hutchison, J. L.: *See* Zinkham, W. H., jt. auth.

Ireland, J. E.: *See* Gerson, B., jt. auth.

Janeway, C. A.: Medicine, medical science and health, 94

Kantner, J. F.: From here to 2000: A look at the population problem, 18
Kennedy, H. L.: *See* Goldberg, B., jt. auth.
Krause, R. M.: Can bilharzia occur in the Delaware Water Gap?, 9
Kurlandsky, L. E.; Quinn, P. H.; and Sills, E. M.: *Haemophilus influenzae* as a cause of Brodie's abscess in an infant, 15

Langley, C. E.; Berninger, R. W.; Wolfson, S. L.; and Talamo, R. C.: An unusual type of α_1-antitrypsin deficiency in a child, 161
Liljestrand, J. D.: *See* Zinkham, W. H., jt. auth.
Luk, G. D. and Bynum, T. E.: Prophylaxis and prevention of viral hepatitis, 127

McCartney, J.: *See* Hendrix, T. R., jt. auth.
McHugh, P. R.: Aspects of the control of feeding: Application of quantitation in psychobiology, 147
McPhee, S. J.: *See* Cameron, J. L., jt. auth.
Maddrey, W. C.: *See* Gerson, B., jt. auth.
———; Hamilton, S. R.; and Belitsos, N. J.: Clinical conference, familial hemochromatosis, 66
Maxwell, K. D.: *See* Trimakas, A. P., jt. auth.
Mendelsohn, G.: *See* Trump, D., jt. auth.
Menduke H.: *See* Gerson, B., jt. auth.
Mones, R. A.: *See* Conley, C. L., jt. auth.
Mudge, G. H.: *See* Soloway, S. S., jt. auth.
Murphy, E. A.: Seven snobberies, 56
Murphy, P. A.: Review of *Human Chlamydial Infections*, 136

Opitz, J.: Review of *Mendelian Inheritance in Man. Catalogs of Autosomal Dominant, Autosomal Recessive and X-Linked Phenotypes*, 135

Quinn, P. H.: *See* Kurlandsky, L. E., jt. auth.

Rock, R. C.: *See* Gerson, B., jt. auth.
Rybock, J. D.: Review of *Pain—New Perspectives in Measurement and Management*, 26

Saulsbury, F. T.: *See* Chipps, B. E., jt. auth.
Shoback, D.: *See* Trump, D., jt. auth.

THE JOHNS HOPKINS MEDICAL JOURNAL **144** 221-223 (1979)
0021-7263/79/1444-0221 $02.00
Copyright © 1979 by The Johns Hopkins University Press
All rights of reproduction in any form reserved.

Siegelman, S. S.: *See* Feigin, D. S., jt. auth.
Sills, E. M.: *See* Kurlandsky, L. E., jt. auth.
Soloway, S. S. and Mudge, G. H.: Acute hypokalemia as a cause of death in a patient with advanced muscular dystrophy, 166
Szklo, M.: *See* Goldberg, R., jt. auth.

Talamo, R. C.: *See* Langley, C. E., jt. auth.
Thomas, C. B.: *See* Betz, B. J., jt. auth.
Tonascia, J. A.: *See* Goldberg, R., jt. auth.
Trimakas, A. P.; Maxwell, K. D.; Berkay, S.; Gardner, T. J.; and Achuff, S. C.: Fetal monitoring during cardiopulmonary bypass for removal of a left atrial myxoma during pregnancy, 156
Trump, D.; Mendelsohn, G.; and Shoback, D.: Clinical conference, angioimmunoblastic lymphadenopathy with dysproteinemia, 101

Vagenakis, A. G.: *See* Winzelberg, G. G., jt. auth.
Vangrov, J. S.: *See* Zinkham, W. H., jt. auth.

Winkelstein, J.: *See* Chipps, B. E., jt. auth.
Winzelberg, G. G.; Gore, J.; Yu, D.; Vagenakis, A. G.; and Braverman, L. E.: Aspergillus flavus as a cause of myocarditis in the immunosuppressed host, 90
Wolfson, S. L.: *See* Langley, C. E., jt. auth.
Woodruff, J. D.: The pathogenesis of ovarian neoplasia, 117

Yu, D.: *See* Winzelberg, G. G., jt. auth.

Zerhouni, E. A.: *See* Bayless, T. M., jt. auth.
Zinkham, W. H.; Vangrov, J. S.; Dixon, S. M.; and Hutchison, J. L.: Observations on the rate and mechanism of hemolysis in individuals with Hb Zürich [His E7 (63) $\beta \rightarrow$ Arg]: I. Concentrations of haptoglobin and hemopexin in the serum, 37
———: Liljestrand, S. D.; Dixon, S. M.; and Hutchison, J. L.: Observations on the rate and mechanism of hemolysis in individuals with Hb Zürich [His E7 (63) $\beta \rightarrow$ Arg]: II. Thermal denaturation of hemoglobin as a cause of anemia during fever, 109

SUBJECT INDEX

α_1-antitrypsin
  deficiency in a child (Langley et al.), 161
Alkaline phosphatase
  as an indicator of cholestasis (Gerson et al.), 41
Anemia
  during fever, a cause of (Zinkham et al.), 109
Angioimmunoblastic lymphadenopathy with dysproteinemia
  clinical conference (Trump, Mendelsohn and Shoback), 101
Aspergillus flavus
  as a cause of thyroiditis (Winzelberg et al.), 90

Bacterial chemotaxis
  and sensory transduction (Adler, J.), 121
Bilharzia
  physiological, biochemical and genetic factors (Krause), 9
Boerhaave syndrome
  clinical conference (Hendrix, McCartney and Dobrow), 28
Book reviews
  Cardiac Catheterization and Angiocardiography, 63
  Coronary Heart Disease in Young Women, 25
  Human Chlamydial Infections, 136
  Mendelian Inheritance in Man. Catalogs of Autosomal Dominant, Autosomal Recessive, and X-Linked Phenotypes, 135
  Pain—New Perspectives in Measurement and Management, 26
  The Philosophy of Medicine, 63
Brodie's abscess
  caused by *Haemophilus influenzae* in an infant (Kurlandsky, Quinn and Sills), 15

Cardiopulmonary bypass
  during pregnancy (Trimakas et al.), 156
Cholestasis
  lipoprotein X and alkaline phosphatase as indicators (Gerson et al.), 41
Clinical conferences
  Angioimmunoblastic lymphadenopathy with dysproteinemia, 101
  Boerhaave syndrome, 28
  Clinical-pathologic conference, 138
  Familial hemochromatosis, 66
  Fulminant colitis, 168
  Pancreatectomy and autotransplantation for chronic pancreatitis, 215
Contraception
  use throughout world and population policy (Kantner, J. F.), 18

Familial hemochromatosis
  clinical conference (Maddrey, Hamilton and Belitsos), 66
Feeding behavior
  control of (McHugh, P. R.), 147
Fetal monitoring
  during removal of maternal myxoma (Trimakas et al.), 156
Fulminant colitis
  clinical conference (Bayless, Heuser and Zerhouni), 168

Haemophilus influenzae
  as a cause of Brodie's abscess in an infant (Kurlandsky, Quinn and Sills), 15
Haptoglobin
  concentrations in serum of individuals with Hb Zürich (Zinkham et al.), 37
Hb Zürich
  hemolysis in individuals with (Zinkham et al.), 37
Health
  predicted by temperament (Betz and Thomas), 81
Hemolysis
  in individuals with Hb Zürich (Zinkham et al.), 37
Hemopexin
  concentrations in serum of individuals with Hb Zürich (Zinkham et al.), 37
Hepatitis B immune globulin
  use in prevention of hepatitis (Luk and Bynum), 127
Hewlett, Albion Walter
  Johns Hopkins medical vignette (Harvey, A. McG.), 202
History of Baltimore since 1914
  reminiscences of (Janeway, C. A.), 94
History of medicine at Johns Hopkins
  and study of pneumococcus (Austrian, R.), 192
Hypokalemia
  as a cause of death in a patient with muscular dystrophy (Soloway and Mudge), 166

Immune serum globulin
use in prevention of hepatitis (Luk and Bynum), 127
Immunodeficiency
in children with chronic mucocutaneous candidiasis (Chipps et al.), 175
Immunosuppression
and disseminated aspergillosis (Winzelberg et al.), 90
Infections
in children with chronic mucocutaneous candidiasis (Chipps et al.), 175

Johns Hopkins medical vignettes
Albion Walter Hewlett: Pioneer clinical physiologist (Harvey, A. McG.), 202
Applying the methods of science to the study of tropical diseases—The story of Andrew Watson Sellards (Harvey, A. McG.), 45

Letters to the editor
Pneumococcal vaccine, 134
Lipoprotein X
as an indicator of cholestasis (Gerson et al.), 41

Mediastinum
excessive production of fibrous tissue in (Feigin, Eggleston and Siegelman), 1
Medical snobbery
seven areas of (Murphy, E. A.), 56
Motivated behaviors
control of (McHugh, P. R.), 147
Mucocutaneous candidiasis
and non-candidal infections (Chipps et al.), 175
Muscular dystrophy
and hypokalemia (Soloway and Mudge), 166
Myocardial infarction
prognosis of patients with (Goldberg et al.), 73
Myxoma
removal of, during pregnancy (Trimakas et al.), 156

Neoplasia
ovarian history, growth and genesis (Woodruff, J. D.), 117

Ovarian neoplasia
pathogenesis (Woodruff, J. D.), 117

Pancreactectomy
and autotransplantation, clinical conference (Cameron, McPhee and Hamilton), 215
Parathyroid hormone
and vitamin D in regulation of calcium and phosphate homeostasis (Harrison, H. E.), 180
Pi typing
and α_1-antitrypsin deficiency (Langley et al.), 161
Pneumococcal vaccine
letter to the editor (Austrian, R.), 134
Pneumococcus
at Hopkins (Austrian, R.), 192
Population control
world progress in last 25 years, expectations for the future (Kantner, J. F.), 18
Pregnancy
and removal of atrial myxoma (Trimakas et al.), 156
Premature disease
predicted by temperament (Betz and Thomas), 81
Prognosis
of patients with myocardial infarction (Goldberg et al.), 73
Protease inhibitor
and α_1-antitrypsin deficiency (Langley et al.), 161
Psychobiology
and application of quantitation (McHugh, P. R.), 147
Pulmonary disease
and α_1-antitrypsin deficiency (Langley et al.), 161

Roentgen manifestations
of sclerosing mediastinitis (Feigin, Eggleston and Siegelman), 1

Schistosomiasis
physiological, biochemical and genetic factors (Krause, R. M.), 9
Sclerosing mediastinitis
roentgen manifestations of (Feigin, Eggleston and Siegelman), 1
Sellards, Andrew Watson
Johns Hopkins medical vignette (Harvey, A. McG.), 45
Sensory transduction
and bacterial chemotaxis (Adler, J.), 121
Subacute osteomyelitis
caused by *Haemophilus influenzae* in an infant (Kurlandsky, Quinn and Sills), 15

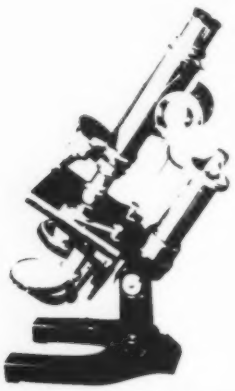
Temperament
as a predictor of health or premature disease (Betz and Thomas), 81
Thyroiditis
caused by *Aspergillus flavus* (Winzelberg et al.), 90
Time trends
in prognosis of patients with myocardial infarction (Goldberg et al.), 73
Tropical medicine
and control of parasitic diseases (Krause, R. M.), 9

Viral hepatitis
prevention of (Luk and Bynum), 127
Vitamin D
and regulation of calcium and phosphate homeostasis (Harrison, H. E.), 180

The Genesis of Cancer

A Study in the History of Ideas

L. J. Rather



From the Hippocratic writings on the nature of cancer in the fifth century B.C. to the discoveries of tissue and cell function in the nineteenth century, L. J. Rather traces the history of theories of cancer genesis. Rather's book is the first comprehensive history of the ideas of tumor genesis, and as such, is a uniquely important and original contribution to medical and historical literature. The historian of science and medicine, as well as the medical professional in any cancer-related area will find much of interest in this scholarly view of one of mankind's most puzzling and persistent diseases.

$17.50

JOHNS HOPKINS

The Johns Hopkins University Press
Baltimore, Maryland 21218

INDEX TO VOLUME 145

AUTHOR INDEX

Anderson, N. D.; Colyer, R. A.; and Riley, L. H., Jr.: Skeletal changes during prolonged external irradiation: Alterations in marrow, growth plate and osteoclast populations, 73

Bachorik, P. S.: *See* Chase, G. A., jt. auth.

Bahniuk, E.: *See* Bohlman, H. H., jt. auth.

Bang, B. G. and Bang, F. B.: Mucus-stimulating substances in human body fluids assayed in an invertebrate mucous cell system, 209

Bang, F. B.: *See* Bang, B. G., jt. auth.

Baylin, S. B.; Mendelsohn, G.; and Levine, M. A.: Clinical conference, Medullary thyroid carcinoma in Sipple syndrome, 201

Benedetto, P. W.: *See* McGoon, M. D., jt. auth.

Bohlman, H. H.; Bahniuk, E.; Raskulinecz, G.; and Field, G.: Mechanical factors affecting recovery from incomplete cervical spinal cord injury: A preliminary report, 115

Braun, R. M.: Iatrogenic compression of the thoracic outlet, 94

Brooker, A. F., Jr.: The surgical approach to refractory trochanteric bursitis, 98

Brooks, T.: *See* Dunn, E., jt. auth.

Brower, R. G.: *See* Whelton, P. K., jt. auth.

Cameron, J. L.: *See* Santos, M. J., jt. auth.

Charness, M. E.: *See* Guidotti, T. L., jt. auth.

Chase, G. A.; Kwiterovich, P. O., Jr.; and Bachorik, P. S.: The Columbia Population Study II. Familial aggregation of plasma cholesterol and triglycerides, 150

Chisholm, J. J., Jr.: *See* Conley, C. L., jt. auth.

Ciuffo, A. A.: *See* Myers, D. I., jt. auth.

Colyer, R. A.: Osteogenic sarcoma in siblings, 131

———: *See* Anderson, N. D., jt. auth.

Conley, C. L. and Chisholm, J. J., Jr.: Genetics clinic, Three varieties of porphyria, Recovery from hepatic decompensation in protoporphyria, 232

Cooke, C. R.: *See* Myers, D. I., jt. auth.

Coyle, J. T.: Review of *Clinical Pharmacology of Psychotherapeutic Drugs*, 248

Coyle, P.: Review of *Correlative Neuroanatomy and Functional Neurology*, 248

Cummings, D.: *See* Jones, H. W., Jr., jt. auth.

Cusick, B.: *See* Sussman, M. D., jt. auth.

Dameron, T. B., Jr.: Adamantinoma of the appendicular skeleton, 107

Donahoo, J. S.: *See* Wingard, T., jt. auth.

Dunn, E.; Brooks, T.; Gordon, B.; Rothert, S.; White, E.; and Tarhay, L.: Replacement of the canine femoral diaphysis with a porous coated prosthesis, 101

Field, G.: *See* Bohlman, H. H., jt. auth.

Frykholm, B. C.: *See* Lamon, J. M., jt. auth.

Gadacz, T. R.: *See* Ricotta, J. J., jt. auth.

Goldberg, R.; Szklo, M.; Tonascia, J. A.; and Kennedy, H. L.: Length of time between hospital admission and ventricular fibrillation or cardiac arrest complicating acute myocardial infarction: Effect on prognosis, 187

Gordon, B.: *See* Dunn, E., jt. auth.

Greene, B. M.: *See* McGoon, M. D., jt. auth.

Guidotti, T. L.; Charness, M. E.; and Lamon, J. M.: Genetics clinic, Three varieties of porphyria, Acute intermittent porphyria and the Klüver–Bucy syndrome, 232

Harden, R. A. and Russell, R. P.: Iatrogenically induced hypertensive encephalopathy, 44

Hsu, J. D.: Extremity fractures in children with neuromuscular disease, 89

Hughes, J. L., Jr.: Review of *Disorders of the Patello-Femoral Joint*, 140

Hutcheon, D.; Mendelsohn, G.; Naidich, D.; and Nygaard, T.: Clinical conference, Carcinoid tumor, 170

Ivins, J. C.: *See* Laws, E. R., Jr., jt. auth.

Johns, C. J.: *See* Kaplan, J., jt. auth.

Jones, H. W., Jr.: A long look at the adrenogenital syndrome, 143

Jones, H. W., Jr.; Rary, J. M.; Rock, J. A.; and Cummings, D.: The role of the H–Y antigen in human sexual development, 33

Kaplan, J. and Johns, C. J.: Mycetomas in pulmonary sarcoidosis: Non-surgical management, 157

Kazazian, H. H., Jr.: *See* Phillips, J. A., III, jt. auth.

Kennedy, H. L.: *See* Goldberg, R., jt. auth.

Kieffer, R. F.: *See* Ricotta, J. J., jt. auth.

Krush, A. J.: *See* Santos, M. J., jt. auth.

Kwiterovich, P. O., Jr.: *See* Chase, G. A., jt. auth.

Lamon, J. M.: *See* Guidotti, T. L., jt. auth.

Lamon, J. M. and Frykholm, B. C.: Genetics clinic, Three varieties of porphyria, Pregnancy and porphyria cutanea tarda, 232

Lau, H. L.: *See* Leonard, C. O., jt. auth.

Laws, E. R., Jr. and Ivins, J. C.: Atlanto-occipital instability as a result of pituitary adenoma: Case report with successful management by cervico-occipital fusion, 136

Leonard, C. O.: *See* Pai, G. S., jt. auth.

Leonard, C. O.; Sanders, R. C.; and Lau, H. L.: Genetics clinic, Prenatal diagnosis of the Turner syndrome, a familial chromosomal rearrangement and achondroplasia by amniocentesis and ultrasonography, 25

Levine, M. A.: *See* Baylin, S. B., jt. auth.

Licht, J. H.: Review of *Contributions to Nephrology, Vol. 10: Toxic Nephropathies*, 66

McGoon, M. D.; Benedetto, P. W.; and Greene, B. M.: Complications of percutaneous central venous catheterization: A report of two cases and review of the literature, 1

Meek, A. G.: *See* Reid, P. R., jt. auth.

Mendelsohn, G.: *See* Baylin, S. B., jt. auth.

———: *See* Hutcheon, D., jt. auth.

Murphy, E. A.: Hereditary polyposis coli. II. Genetic counseling, 177

Myers, D. I.; Ciuffo, A. A.; and Cooke, C. R.: Focal glomerulosclerosis and erythrocytosis, 192

Naidich, D.: *See* Hutcheon, D., jt. auth.

———: *See* Whelton, P. K., jt. auth.

Nygaard, T.: *See* Hutcheon, D., jt. auth.

Pai, G. S.; Thomas, G. H.; Leonard, C. O.; Ward, J. C.; Valle,

THE JOHNS HOPKINS MEDICAL JOURNAL 145 253-256 (1979)
0021-7263/79/1456-0253 $02.00
Copyright © 1979 by The Johns Hopkins University Press
All rights of reproduction in any form reserved.

D. L.; and Pyeritz, R. E.: Genetics clinic, Syndromes due to chromosomal abnormalities: Partial trisomy 22, interstitial deletion of the long arm of 13, and trisomy 8, 162
Pappenheimer, J. R.: "Nature's soft nurse": A sleep-promoting factor isolated from brain, 49
Phillips, J. A., III; Scott, A. F.; Kazazian, H. H., Jr.; Smith, K. D.; Stetten, G.; and Thomas, G. H.: Genetics clinic, Prenatal diagnosis of hemoglobinopathies by restriction endonuclease analysis: Pregnancies at risk for sickle cell anemia and S–O^{Arab} disease, 57
Pyeritz, R. E.: *See* Pai, G. S., jt. auth.
Rary, J. M.: *See* Jones, H. W., Jr., jt. auth.
Raskulinecz, G.: *See* Bohlman, H. H., jt. auth.
Reid, P. R. and Meek, A. G.: Digoxin-quinidine interaction, 227
Ricotta, J. J.; Gadacz, T. R.; and Kieffer, R. F.: Intussusception of the excluded segment following jejuno-ileal bypass, 7
Riley, L. J., Jr.: *See* Anderson, N. D., jt. auth.
Robinson, R. A.: Bone tissue: Composition and function, 10
Rock, J. A.: *See* Jones, H. W., Jr., jt. auth.
Rothert, S.: *See* Dunn, E., jt. auth.
Russell, R. P.: *See* Harden, R. A., jt. auth.
Sanders, R. C.: *See* Leonard, C. O., jt. auth.
Santos, M. J.; Krush, A. J.; and Cameron, J. L.: Genetics clinic, Three varieties of hereditary intestinal polyposis, 196
Schmeisser, G. and Seamone, W.: An assistive equipment controller for quadriplegics, 84
Scott, A. F.: *See* Phillips, J. A., III, jt. auth.
Seamone, W.: *See* Schmeisser, G., jt. auth.
Siebens, A. A.: Review of *Early Therapeutic Social and Vocational Problems in the Rehabilitation of Persons with Spinal Cord Injuries*, 139
Smith, C. R.: Clinical conference, Use of drugs in the aged, 61
Smith, K. D.: *See* Phillips, J. A., III, jt. auth.
Sršeň, Š.: Alkaptonuria, 217
Stetten G.: *See* Phillips, J. A., III, jt. auth.
Sussman, M. D. and Cusick, B.: Preliminary report. The role of short-leg, tone-reducing casts as an adjunct to physical therapy of patients with cerebral palsy, 112
Szklo, M.: *See* Goldberg, R., jt. auth.
Tarhay, L.: *See* Dunn, E., jt. auth.
Thomas, G. H.: *See* Phillips, J. A., jt. auth.
———: *See* Pai, G. S., jt. auth.
Thompson, J. S.: Free hypothenar full-thickness grafts for distal digital defects, 126
Tonascia, J.: *See* Goldberg, R., jt. auth.
Trump, D. L.: Review of *Primer of Cancer Management*, 65
Valle, D. L.: *See* Pai, G. S., jt. auth.
Ward, J. C.: *See* Pai, G. S., jt. auth.
Whelton, P. K.; Naidich, D.; and Brower, R. G.: Clinical conference, Renovascular hypertension: Treatment by balloon catheter dilatation, 241
White, E.: *See* Dunn, E., jt. auth.
Williams, G. M.: *See* Wingard, T., jt. auth.
Wingard, T.; Donahoo, J. S.; and Williams, G. M.: An alternative method for proximal placement of the heparin-coated tridodecylmethylammonium chloride (TDMAC) shunt, 230

SUBJECT INDEX

Achondroplasia
prenatal diagnosis of, Genetics clinic (Leonard, Sanders and Lau), 25
Adamantinoma
of appendicular skeleton (Dameron, T. B., Jr.), 107
Adrenogenital syndrome
history of classification and treatment (Jones, H. W., Jr.), 143
Alkaptonuria
in Slovakia (Sršeň, Š.), 217
Appendicular skeleton
adamantinoma of (Dameron, T. B., Jr.), 107
Assistive equipment controller
for quadriplegics (Schmeisser and Seamone), 84
Atlanto-occipital instability
as a result of pituitary adenoma (Laws and Ivins), 136
Balloon catheter
in treatment of renovascular hypertension, Clinical conference (Whelton, Naidich and Brower), 241
Bone tissue
composition and function (Robinson, R. A.), 10
Book reviews
Clinical Pharmacology of Psychotherapeutic Drugs, 248
Contributions to Nephrology, Volume 10: Toxic Nephropathies, 66
Correlative Neuroanatomy and Functional Neurology, 248
Disorders of the Patello-Femoral Joint, 140
Early Therapeutic Social and Vocational Problems in the Rehabilitation of Persons with Spinal Cord Injuries, 139
Primer of Cancer Management, 65
Carcinoid tumor
Clinical conference (Hutcheon et al.), 170
Catheterization
central venous, complications of (McGoon, Benedetto and Greene), 1
Central venous system
complications of catheterization (McGoon, Benedetto and Greene), 1
Cerebral palsy
casts for patients with (Sussman and Cusick), 112
Cervico-occipital fusion
as treatment for atlanto-occipital instability (Laws and Ivins), 136
Chromosomal abnormalities
syndromes due to (Pai et al.), 162
Clinical Conferences
Carcinoid tumor, 170
Medullary thyroid carcinoma in Sipple syndrome, 201
Renovascular hypertension: Treatment by balloon catheter dilatation, 241
Use of drugs in the aged, 61
Columbia, Maryland
population study (Chase, Kwiterovich and Bachorik), 150
Coronary heart disease
mortality from (Goldberg et al.), 187
Cystic fibrosis
and mucus-stimulating substances (Bang and Bang), 209
Digital defects
treatment with free hypothenar full-thickness grafts (Thompson, J. S.), 126
Digoxin
interaction with quinidine (Reid and Meek), 227

Drug interaction
digoxin and quinidine (Reid and Meek), 227
Dry eye
and decrease in mucus-stimulating substances of lacrimal fluids (Bang and Bang), 209
Elderly patients
use of drugs in, Clinical conference (Smith, C. R.), 61
Encephalopathy
hypertensive, iatrogenically induced (Harden and Russell), 44
Enzymes
in bone tissue, study of (Robinson, R. A.), 10
Erythrocytosis
associated with nephrotic syndrome (Myers, Ciuffo and Cooke), 192
Erythropoietin
role of kidney in production of (Myers, Ciuffo and Cooke), 192

Factor S
isolated from brain (Pappenheimer, J. R.), 49
Familial chromosomal rearrangement
prenatal diagnosis of, Genetics clinic (Leonard, Sanders and Lau), 25
Familial polyposis coli
as hereditary form of interstitial polyposis, Genetics clinic (Santos, Krush and Cameron), 196
genetic counseling in (Murphy, E. A.), 177

Femoral diaphysis
canine, replacement with porous coated prosthesis (Dunn et al.), 101
Focal glomerulosclerosis
associated with erythrocytosis (Myers, Ciuffo and Cooke), 192
Fractures
extremity, in children with neuromuscular disease (Hsu, J. D.), 89

Gardner syndrome
as hereditary form of intestinal polyposis, Genetics clinic (Santos, Krush and Cameron), 196
Genetic counseling
in familial polyposis coli (Murphy, E. A.), 177
Genetic transmission
of osteogenic sarcoma (Colyer, R. A.), 131

Genetics clinics
Prenatal diagnosis of hemoglobinopathies by restriction endonuclease analysis: Pregnancies at risk for sickle cell anemia and S–O^{Arab} disease, 57
Prenatal diagnosis of the Turner syndrome, a familial chromosomal rearrangement and achondroplasia by amniocentesis and ultrasonography, 25
Syndromes due to chromosomal abnormalities: Partial trisomy 22, interstitial deletion of the long arm of 13, and trisomy 8, 162
Three varieties of hereditary intestinal polyposis, 196
Three varieties of porphyria. Acute intermittent porphyria and the Klüver-Bucy syndrome. Pregnancy and porphyria cutanea tarda. Recovery from hepatic decompensation in protoporphyria, 232
Growth plate
alterations in, during prolonged external irradiation (Anderson, Colyer and Riley), 73
Hemoglobinopathies
prenatal diagnosis of, Genetics clinic (Phillips et al.), 57
Hepatic decompensation
recovery from, in protoporphyria (Conley and Chisholm), 232
H–Y antigen
and human sexual development (Jones et al.), 33

Hypercholesterolemia
and familial aggregation patterns (Chase, Kwiterovich and Bachorik), 150
Hypertension
and iatrogenically induced encephalopathy (Harden and Russell), 44
renovascular treatment of, Clinical conference (Whelton, Naidich and Brower), 241
Intussusception
of defunctionalized intestinal segment following bypass (Ricotta, Gadacz and Kieffer), 7
Irradiation
prolonged external, and skeletal changes (Anderson, Colyer and Riley), 73
Jejuno-ileal bypass
intussusception following (Ricotta, Gadacz and Kieffer), 7

Klüver-Bucy Syndrome
and acute intermittent porphyria, Genetics clinic (Guidotti, Charness and Lamon), 232

Lipids
familial aggregation patterns of (Chase, Kwiterovich and Bachorik), 150

Marrow
alterations in, during prolonged external irradiation (Anderson, Colyer and Riley), 73
Mineralized bone matrix
study of (Robinson, R. A.), 10
Mortality
from ventricular fibrillation or cardiac arrest (Goldberg et al.), 187
Mucus secretion
and amount produced by exposure to mucus-stimulating substances (Bang and Bang), 209
Multiple endocrine neoplasia
Sipple syndrome as form of, Clinical conference (Baylin, Mendelsohn and Levine), 201
Mycetoma
in pulmonary sarcoidosis (Kaplan and Johns), 157
Neuromuscular disease
extremity fractures in children with (Hsu, J. D.), 89

Obesity
jejuno-ileal bypass for (Ricotta, Gadacz and Kieffer), 7
Ochronosis
in alkaptonuria (Sršeň, Š.), 217
Osteoclast populations
alterations in, during prolonged external irradiation (Anderson, Colyer and Riley), 73
Osteogenic sarcoma
occurrence in siblings (Colyer, R. A.), 131

Peutz–Jeghers syndrome
as hereditary form of intestinal polyposis, Genetics clinic (Santos, Krush and Cameron), 196

Pharmacokinetics
in aged patients, Clinical conference (Smith, C. R.), 61
Pituitary adenoma
and atlanto-occipital instability (Laws and Ivins), 136
Polyposis
hereditary intestinal, Genetics clinic (Santos, Krush and Cameron), 196
Porphyria
three varieties, Genetics clinic (Guidotti, Lamon and Conley et al.), 232
hereditary polyposis coli (Murphy, E. A.), 177

Pregnancy
and porphyria cutanea tarda, Genetics clinic (Lamon and Frykholm), 232
Prosthesis
porous, coated, in replacement of canine femoral diaphysis (Dunn et al.), 101

Quadriplegics
assistive equipment controller for (Schmeisser and Seamone), 84
Quinidine
interaction with digoxin (Reid and Meek), 227

Restriction endonuclease analysis
use of in prenatal diagnosis of hemoglobinopathies, Genetics clinic (Phillips et al.), 57
Resuscitation
after ventricular fibrillation or cardiac arrest (Goldberg et al.), 187

Sarcoidosis
pulmonary with mycetoma formation (Kaplan and Johns), 157
Sexual differentiation
and the role of the H–Y antigen (Jones et al.), 33
Sexual identity
and congenital virilizing adrenal hyperplasia (Jones, H. W., Jr.), 143
Short-leg casts
for patients with cerebral palsy (Sussman and Cusick), 112
Sickle cell anemia
prenatal diagnosis of, Genetics clinic (Phillips et al.), 57
Sipple syndrome
as form of multiple endocrine neoplasia, Clinical conference (Baylin, Mendelsohn and Levine), 201
Skeletal changes
during prolonged external irradiation (Anderson, Colyer and Riley), 73
Skin grafts
free hypothenar full-thickness, for digital defects (Thompson, J. S.), 126
Sleep-promoting factor
isolated from brain (Pappenheimer, J. R.), 49
Slovakia
incidence of alkaptonuria in (Sršeň, Š.), 217
Spinal cord injury
cervical, mechanical factors affecting recovery from incomplete (Bohlman et al.), 115
Sprengel's deformity
and iatrogenic compression of the thoracic outlet (Braun, R. M.), 94
$S-O^{Arab}$ disease
prenatal diagnosis of, Genetics clinic (Phillips et al.), 57
Thoracic aorta
use of tridodecylmethylammonium chloride (TDMAC) heparin-coated shunt as temporary bypass during operative procedures of (Wingard, Donahoo and Williams), 230
Thoracic outlet compression
iatrogenic cause (Braun, R. M.), 94
Tridodecylmethylammonium chloride heparin-coated shunt
use of, during operative procedures of thoracic aorta (Wingard, Donahoo and Williams), 230
Trochanteric bursitis
surgical treatment of (Brooker, A. F., Jr.), 98
Turner syndrome
prenatal diagnosis of, Genetics clinic (Leonard, Sanders and Lau), 25
Urn cells
response to body fluids from normal subjects and those with secretory disorders (Bang and Bang), 209